

I hereby certify that this correspondence is being deposited with the US Postal Service "Express Mail Post Office to Address" service under CFR 1.10, Express Mailing Label No. EV635801326US on the date of my signature and is addressed to Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

22 November 2005
Date

Sharon A. Johnson
Sharon A. Johnson

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re

Application of

Barralet et al.

U.S. Serial No. Unknown
(U.S. National Phase of
PCT/GB2004/002179)

International Filing Date: 19 May 2004

"IMPROVED CALCIUM PHOSPHATE
BONE CEMENTS"

INFORMATION DISCLOSURE STATEMENT
PURSUANT TO 37 CFR §1.97(b)(2)

Mail Stop PCT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450


Sir:

The Examiner's attention is directed to the references, which are listed on the attached Form PTO/SB/08A and PTO/SB/08B, copies of which are attached. Citation of these references is respectfully requested.

In accordance with 37 CFR 1.97(b)(2), this information disclosure statement is being filed within three months of the date of entry of the national stage as set forth in §1.491 in an international application.

No concession is made that these documents are prior art, and Applicant expressly reserves the right to antedate the documents as may be appropriate.

Respectfully submitted,


Gregory J. Hartwig
Reg. No. 46,761

File No. 063511-9079-00

Michael Best & Friedrich LLP
100 East Wisconsin Avenue, Suite 3300
Milwaukee, Wisconsin 53202-4108
(414) 271-6560

10/557833

IAP12 Rec'd PCT/PTO 22 NOV 2005 PTO/SB/08A

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute of form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
				Application Number	U.S. National Phase of PCT/GB2004/002179
				Filing Date	
				First Name Inventor	Jake Barralet
				Group Art Unit	
				Examiner Name	
Sheet	1	of	2	Attorney Docket Number	063511-9079-00

U.S. PATENT DOCUMENTS				
Examiner Initials		U.S. Patent Document Number	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document
		6,425,949	Lemaitre et al.	07-30-2002

FOREIGN PATENT DOCUMENTS							
Examiner Initials		Country Code	Foreign Patent Document Number	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Translation	English Abstract

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer. Patent and Trademark Office, Washington, DC 0231.
 DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box Alexandria, VA 22313-1450.

10/557833

IAP12 Rec'd PCT/PTO 22 NOV 2005

PTO/SB/08B

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB number.

Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	U.S. National Phase of PCT/GB2004/002179
				Filing Date	
				First Named Inventor	Jake Barralet
				Group Art Unit	
				Examiner Name	
Sheet	2	of	2	Attorney Docket Number	063511-9079-00

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, pages(s), volume-issue numbers(s), publisher, city and/or country where published.
		GBURECK U ET AL: "Surface Properties of Calcium Phosphate Particles for Self Setting Bone Cements" Biomolecular Engineering, Elsevier, New York, NY, US, vol. 19, no. 2-6 August 2002, pages 51-55, XP004378070 ISSN: 1389-0344, the whole document, page 51, right-hand column.
		BOHNER M ET AL: "Effects fo Sulfate, Pyrophosphate, and Citrate Ions on the Physicochemical Properties of Cements Made of Beta-Tricalcium Phosphate-Phosphoric Acid-Water Mixtures" Journal of the American Ceramic Society, American Ceramic Society, Columbus, US, vol. 79, no. 6, 1 June 1996, pages 1427-1434, XP000596067, ISSN: 0002-7820, figure 9.
		OTSUKA M ET AL: "Particle Size Effect of Metastable Calcium Phosphates on Crushing Strength of Self-Setting Bioactive Calcium Phosphate Cement" Chemical and Pharmaceutical Bulletin, Pharmaceutical Society of Japan, Tokyo, JP, vol. 41, no. 11 1 November 1993, pages 2055-2057, XP009001135, ISSN: 0009-2363, figure 5; table II.
		GBURECK U ET AL: "Ionic Modification of Calcium Phosphate Cement Viscosity. Part I: Hypodermic Injection and Strength Improvement of Apatite Cement" Biomaterials, Elsevier Science Publishers BV., Barking, GB, vol. 25, no. 11, 6 November 2003, pages 2187-2195, XP00485137, ISSN: 0142-9612, Online publication date, the whole document.
		BARRALET J E ET AL: "Ionic Modification of Calcium Phosphate Cement Viscosity. Part II: Hypodermic Injection and Strength Improvement of Brushite Cement" Biomaterials, Elsevier Science Publishers BV., Barking, GB, vol. 25, no. 11, 19 November 2003, Pages 2197-2203, XP004485138, ISSN: 0142-9612, Online publication date, the whole document.
		FERNANDEZ ENRIQUE ET AL: "Kinetic Study of Citric Acid Influence on Calcium Phosphate Bone Cements as Water-Reducing Agent" J. Biomed. Mater. Res.; Journal of Biomedical Materials Research Sep 15 2002, vol. 61, no. 4 15 September 2002, pages 653-659, XP002301639, cited in the application, abstract, figures 1, 2, page 657, right-hand column, paragraph 2 - paragraph 3.
		DATABASE MEDLINE 'Online! US National Library of Medicine (NLM), Bethesda, MD, US; March 2000, Chen D: "Physical Properties of Apatite Bone Cement!" XP002301640 Database Accession No. NLM10879182 Abstract & Sheng Wu Yi Xue Gong Cheng Xue Za Zhi = Journal of Biomedical Engineering = Shengw Yixue Gongchengxue Zazhi, Mar 2000, vol. 17, no. 1, March 2000, pages 13-15, 18, ISSN: 1001-5515.
		DATABASE EMBASE 'Online! Elsevier Science Publishers, Amsterdam, NL, 2004, Chen D-M Et Al: "Study on the Mechanical Properties of Hydroxyapatite Bone Cement" XP002301641, Database accession no. EMB-2004217475, Abstract & Chinese Journal of Clinical Rehabilitation 2004, China, vol 8, no. 8, 2004, pages 1589-1591, ISSN: 1671-5926.

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231.
DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.